LOCATION SKETCH

GRWCOV

DEPARTMENT OF PUBLIC WORKS CITY OF JOHNS CREEK

RECONSTRUCTION / REHABILITATION

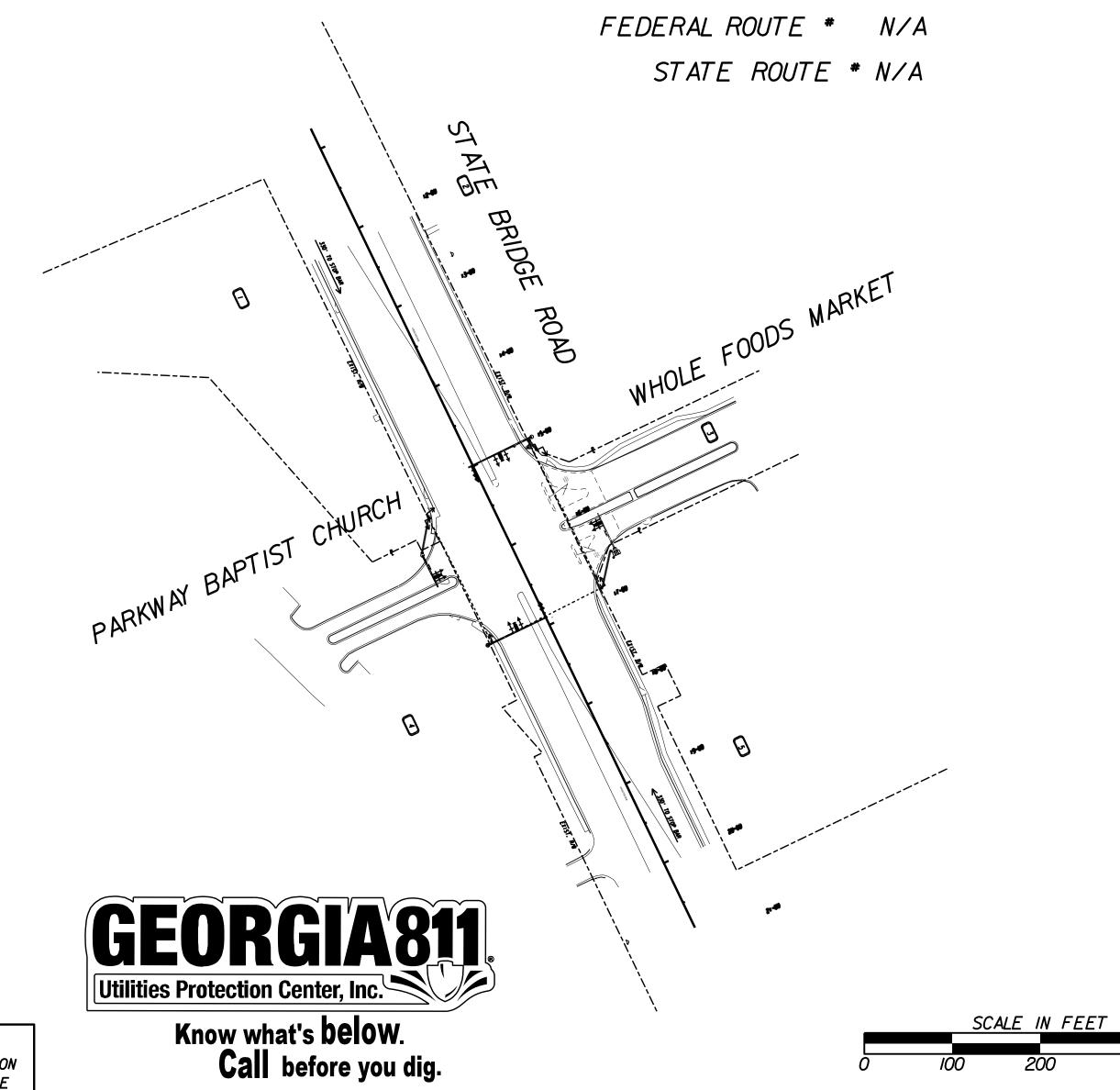
STATE BRIDGE ROAD AT WHOLE FOODS MARKET /
PARKWAY BAPTIST CHURCH SIGNAL DESIGN

THIS PROJECT HAS BEEN PREPARED

USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD)

OF 1988.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY, THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102,04,102,05, AND 104,03 OF THE SPECIFICATIONS.



Kimley»Horn

Engineering, Planning, and Environmental Consultants Suite 450, 2 Sun Court Peachtree Corners, Georgia 30092

PREPARED BY:

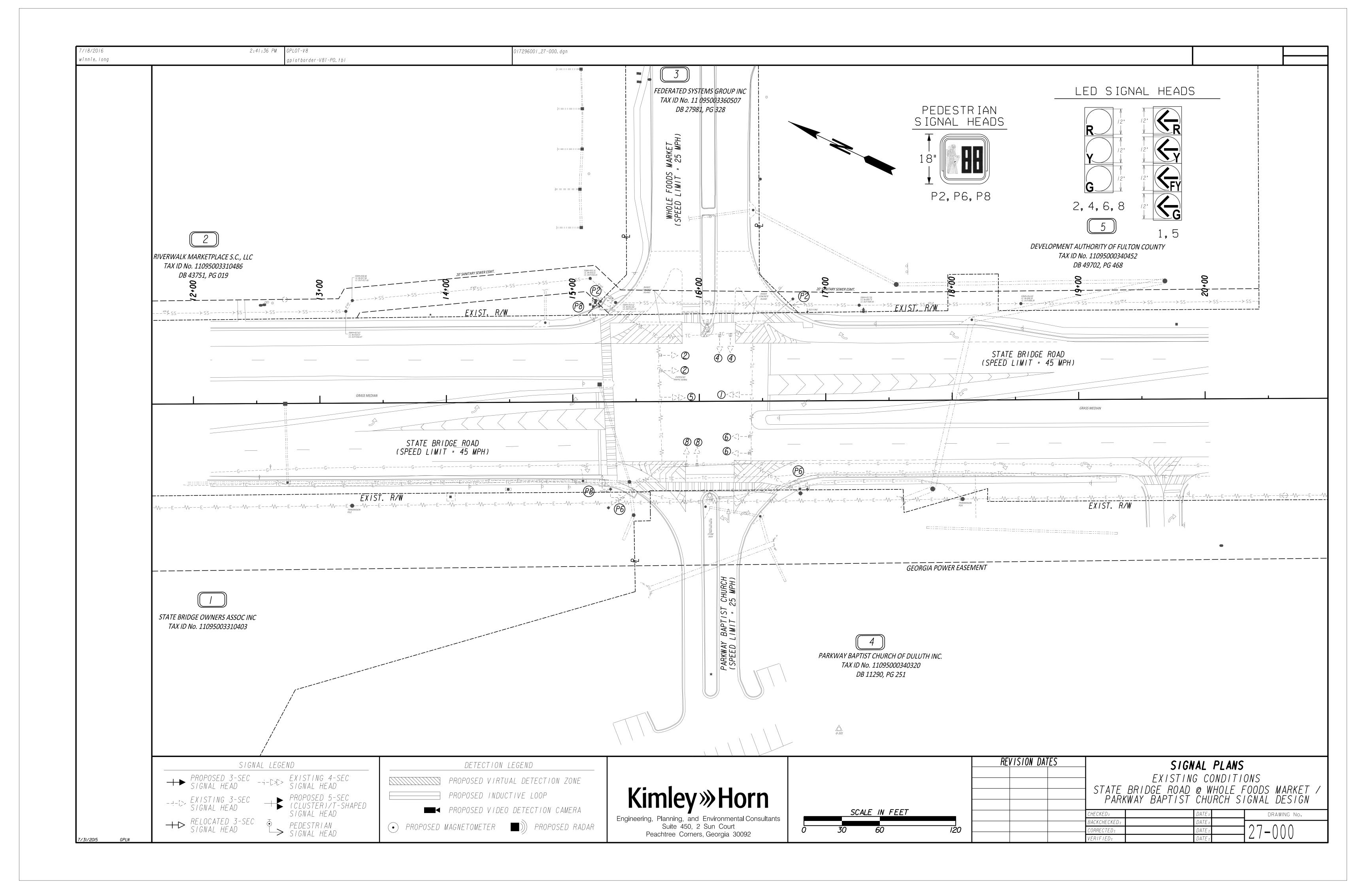
DESIGN

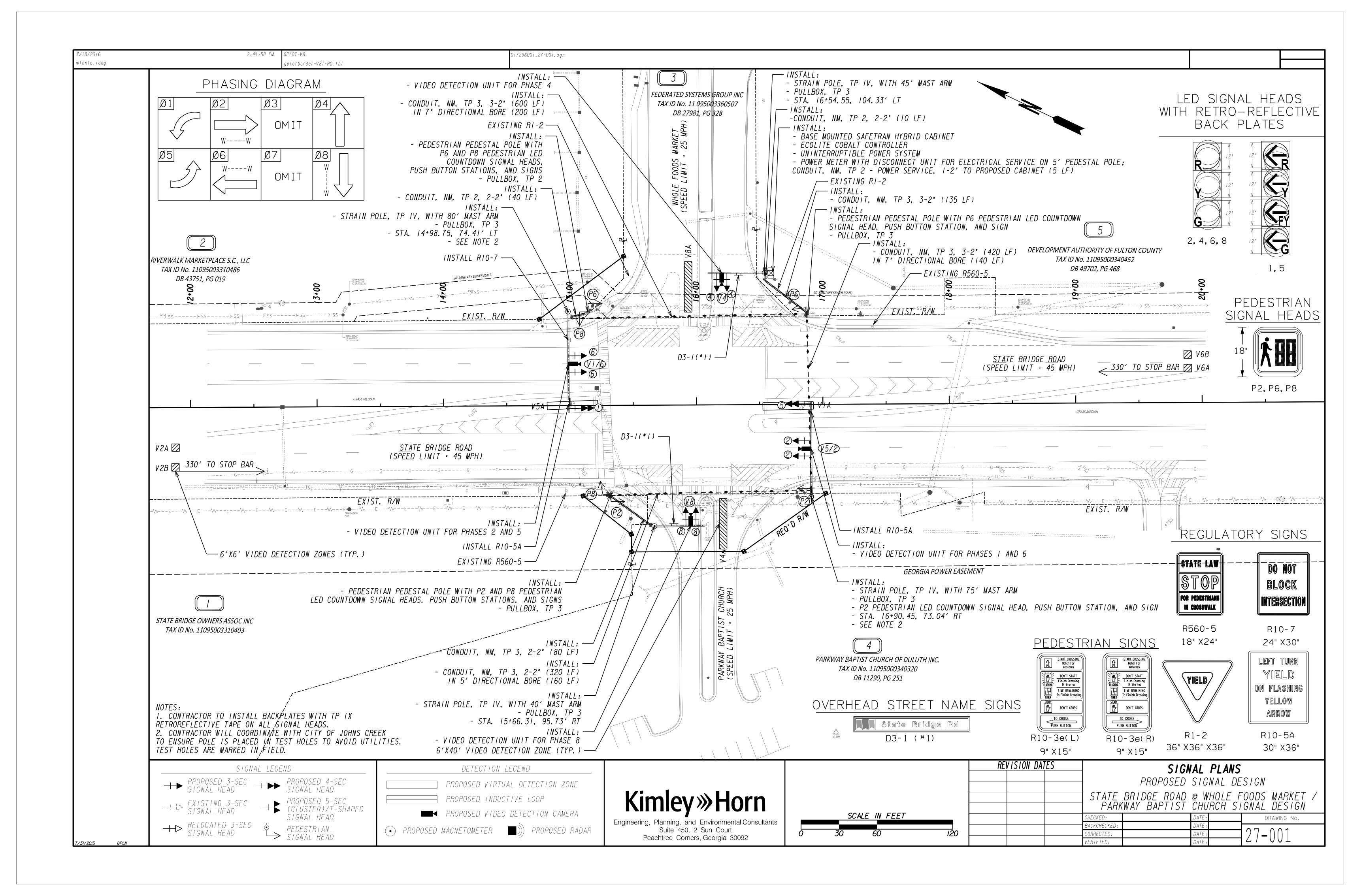


RAFT PLANS COMPLETED	02-19-2016	
INAL PLANS COMPLETED	07-15-2016	

 $\frac{\text{DRAWING No.}}{1-001}$

17296001_04-001.dgn winnie.long gplotborder-V8i-PO.tbl ITS GENERAL NOTES TRAFFIC SIGNAL GENERAL NOTES I. ALL WORK. MATERIALS. AND EQUIPMENT SHALL CONFORM TO THE GEORGIA 12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING I. ALL WORK. MATERIALS. AND EQUIPMENT SHALL CONFORM TO THE GEORGIA DEPARTMENT DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS" CURRENT EDITION AND CITY OF JOHNS CREEK SPECIFICATIONS. CONSTRUCTION OF TRANSPORTATION SYSTEMS" CURRENT EDITION AND CITY OF JOHNS SIGNAL. VIDEO DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT. IT IS THE CREEK SPECIFICATIONS. 2. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND TEMPORARY RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR CONSTRUCTION EASEMENTS FROM THE CITY PRIOR TO START OF 2. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT CONSTRUCTION. FOR INSTALLATION. OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION. 3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY CONDITIONS PRIOR TO ANY CONSTRUCTION. DAMAGE TO EXISTING UTILITIES 3. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE 13. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED AT CONTRACTORS THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, EXPENSE. A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES. UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION. FOR 30 DAYS. UPON COMPLETION OF THE TEST 4. THE CONTRACTOR SHALL ADHERE TO THE CALL BEFORE YOU DIG LAW BY CALLING THE UNDERGROUND PROTECTION CENTER AT GEORGIA8II PERIOD, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO THE CITY OF 4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH JOHNS CREEK. TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, UTILITY COMPANIES TO PROVIDE APPROPRIATE CLEARANCES FROM MINOR SHIFTS (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE UTILITIES. 14. PULLBOXES INSTALLED IN SIDEWALK SHALL BE FLUSH WITH SIDEWALK. ACCEPTABLE TO AVOID UNDERGROUND UTILITIES, CONTRACTOR SHALL ENSURE THAT MINOR 5. WITHIN 24 HOURS. THE CONTRACTOR SHALL REPAIR ANY EXISTING CONDUIT. LOCATION SHIFTS DO NOT REQUIRE AN INCREASE IN MAST ARM LENGTH AND ARE WITHIN CABLE. OR PIPE. THAT IS DAMAGED BY ANY WORK THE EXISTING RIGHT-OF-WAY. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE 15. ALL EXISTING, NON-JOINT USE SIGNAL POLES THAT ARE NOT SHOWN AS BEING PERFORMED AS PART OF THIS PROJECT AT NO ADDITIONAL COST. MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE MAINTAINED IN PROPOSED SIGNAL LAYOUTS SHALL BE REMOVED. ALL EXISTING SIGNAL PLANS. HEADS AND CABINET EQUIPMENT SHALL BE REMOVED. 6. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE TO DISTRICT AND CITY A COMPLETE AND WORKING FIBER OPTIC SIGNAL AND ITS INTERCONNECT SYSTEM, INCLUDING BOTH DATA AND VIDEO NETWORK TRAFFIC. 5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING 16. MAST ARMS AND STRAIN POLES SHALL BE PAINTED PER CITY OF JOHNS CREEK ALL REQUIRED FIBER OPTIC AND ETHERNET DEVICES. EQUIPMENT. CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL SPECIFICATION (ANTIQUE BRONZE). OR INCIDENTALS NOT SHOWN AS DIRECT PAY ITEMS. BUT RECOMMENDED BY THE AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE FIBER MANUFACTURER OR SUPPLIER. SHALL BE COST ABSORBED. LOCATIONS(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH TESTING, BURN-IN, AND ACCEPTANCE OF THE FIBER OPTIC SYSTEM, AND ALL 17. INSTALL (4) EA. 3" NONMETAL CONDUIT AND (2) EA. I" NONMETAL CONDUIT OTHER ITS COMPONENTS SHALL CONFORM AND BE INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE BETWEEN THE CONTROL CABINET AND EACH ADJACENT PULLBOX. INSTALL (3) EA. 2" PROVIDED AS SPECIFIED BY THE CURRENT EDITION OF GDOT SPECIFICATIONS. ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE. NONMETAL CONDUIT AND (2) EA. I" NONMETAL CONDUIT BETWEEN EACH STEEL STRAIN POLE (WITH OR WITHOUT MAST ARM) AND ITS ADJACENT PULLBOX. INSTALL (2) EA. 2" 7. WHERE EXISTING WIRE. CABLE. OR EQUIPMENT IS BEING REPLACED OR 6. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE CITY OF JOHNS CREEK NONMETAL CONDUIT AND (I) EA. I" NONMETAL CONDUIT BETWEEN PEDESTAL POLE AND ITS DISTURBED, ALL PREPARATORY WORK SHALL BE COMPLETED BEFORE REPLACEMENT OR DISTURBANCE IS MADE. NO EQUIPMENT SHALL BE PRIOR TO FINAL ACCEPTANCE. ADJACENT PULLBOX. DISCONNECTED UNTIL PROPER REPLACEMENTS ARE AVAILABLE AND ALL NECESSARY PREPARATIONS HAVE BEEN MADE. THE COMMUNICATIONS SHALL NOT 7. THE COST OF REMOVAL OF EXISTING EQUIPMENT SHALL BE INCIDENTAL TO THE COST 18. ALL CONCRETE TESTING IS TO BE DONE BY THE CONTRACTOR WITH A 7. 14. AND 28 BE DOWN FOR MORE THAN 24 HOURS. OF PROJECT. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED DAY BREAK. ALL RESULTS WILL BE TURNED OVER TO THE CITY. POLES CAN BE MOUNTED BY THE CONTRACTOR TO THE CITY OF JOHNS CREEK SIGNAL SHOP. AFTER 7 DAYS OF HARDENING. ARMS MAY BE INSTALLED WHEN PSI IS GREATER THAN 8. PRIOR TO ORDERING ANY CABLES, THE CONTRACTOR SHALL VERIFY ON SITE THE LENGTH OF EACH CABLE THAT IS REQUIRED, TAKING ALL NECESSARY MEASUREMENT. 8. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT. SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET. 9. DETECTABLE MARKING TAPE SHALL BE FURNISHED AND INSTALLED WITH ALL CONDUIT. THE COST FOR THIS WORK SHALL BE INCLUDED 9. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL IN THE COST OF THE ASSOCIATED CONDUIT. INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE GDOT 10. ALL FIBER JUMPERS ARE INCIDENTAL TO THE SWITCHES AND FDC. SPECIFICATION AND PER CITY OF JOHNS CREEK REQUIREMENTS. **Utilities Protection Center, Inc.** II. ALL SPLICES OF FIBER OPTIC CABLE UNDER THIS CONTRACT SHALL BE IO. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO FUSION SPLICES, UNLESS OTHERWISE SPECIFICALLY NOTED IN Know what's **below**. EACH INSTANCE OR DIRECTED BY THE TRAFFIC OPERATIONS ITS MANAGER. NO THE CITY. ANY BARRIER WALL. FENCE. DITCH PAVING, CURBING, SIDEWALK, GUTTER. Call before you dig. IN-LINE SPLICES SHALL BE MADE IN ANY CABLE. SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES. STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR 12. TESTING FOR ITEMS COVERED UNDER THE 935. 936. & 939 DESTROYED, DUE TO CONTRACTOR'S ACTIVITY. SPECIFICATIONS ARE INCLUDED IN THE COST OF THE ITEM. II. ALL TRAFFIC MARKING. SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM. REVISION DATES GENERAL NOTES DRAWING No Engineering, Planning, and Environmental Consultants *ACKCHECKE*, Suite 450, 2 Sun Court Peachtree Corners, Georgia 30092





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> LIST OF MATERIALS FOR TRAFFIC SIGNAL INSTALLATION LOCATION: STATE BRIDGE ROAD @ WHOLE FOODS MARKET / PARKWAY BAPTIST CHURCH SIGNAL DESIGN

> > DEPARTMENT OF PUBLIC WORKS CITY OF JOHNS CREEK *FOR INFORMATIONAL PURPOSES ONLY *

> > > MATERIALS

ITEM	UNITS	QUANTITY
CONTROLLER CABINET ASSEMBLY		
ECONOLITE COBALT C CONTROLLER	EA	1
SAFETRAN HYBRID CABINET	EA	1
SWITCH PACK	EA	11
DC ISOLATOR	EA	3
2010 CONFLICT MONITOR, EXTENDED FEATURES, ETHERNET	EA	1
SURGE PROTECTOR	EA	1
POWER METER & DISCONNECT UNIT	EA	1
UNINTERRUPTIBLE POWER SUPPLY (PER CITY OF JOHNS CREEK SECTION 925JC SPECIAL PROVISION)	EA	1
332A PREFABRICATED CONTROLLER CABINET BASE	EA	1
LOOP/PED LEAD-IN WIRE (3 PAIR SHIELDED, TWISTED/1000 FT)	REEL	1
SIGNAL CABLE (14 AWG) - 7 CONDUCTOR	REEL	3
ONE-WAY, 3-SECTION (R,Y,G), 12" INCANDESCENT LOOK LED SIGNAL HEAD, PLASTIC	EA	8
ONE-WAY, 4-SECTION (Ra,Ya,FYa,Ga), 12" INCANDESCENT LOOK LED SIGNAL HEAD, PLASTIC	EA	2
REFLECTIVE BACKPLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD	EA	8
REFLECTIVE BACKPLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD	EA	2
ONE-WAY, 1-SECTION, 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP	EA	6
PEDESTRIAN PUSH BUTTON STATION, w/ BUTTON, SIGN, AND ADAPTER FOR SIGN	EA	6
HARDWARE FOR MAST ARM MOUNTING	EA	10
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	2
HARDWARE FOR SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
PEDESTAL POLE, 5 FT, COMPLETE w/ BASE	EA	1
PEDESTAL POLE, 10 FT, COMPLETE w/ BASE	EA	3
PULLBOX, PB-2	EA	1
PULLBOX, PB-3	EA	6
R10-5A, LEFT TURN ON FLASHING YELLOW ARROW SIGN	EA	2
MISC MATL TO COMPLETE INSTALLATION	LUMP	-

PAY ITEMS

PAY ITEM #	ITEM	UNITS	QUANTITY
150-1000	TRAFFIC CONTROL -	LUMP	-
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	5
639-3004	STEEL STRAIN POLE, TYPE IV, WITH 40' MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TYPE IV, WITH 45' MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TYPE IV, WITH 75' MAST ARM	EA	1
639-3004	STEEL STRAIN POLE, TYPE IV, WITH 80' MAST ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION	LUMP	_
682-6222	CONDUIT, NONMETAL, TYPE 2, 2 IN	LF	50
682-6233	CONDUIT, NONMETAL, TYPE 3, 2 IN	LF	1555
682-9950	DIRECTIONAL BORE, 5 IN	LF	160
682-9950	DIRECTIONAL BORE, 7 IN	LF	340
937-1000	VIDEO CAMERA SENSOR ASSEMBLY - ITERIS	EA	4
937-8010	TESTING - VIDEO DETECTION SYSTEM	LUMP	-
937-8510	TRAINING - VIDEO DETECTION SYSTEM	LUMP	-

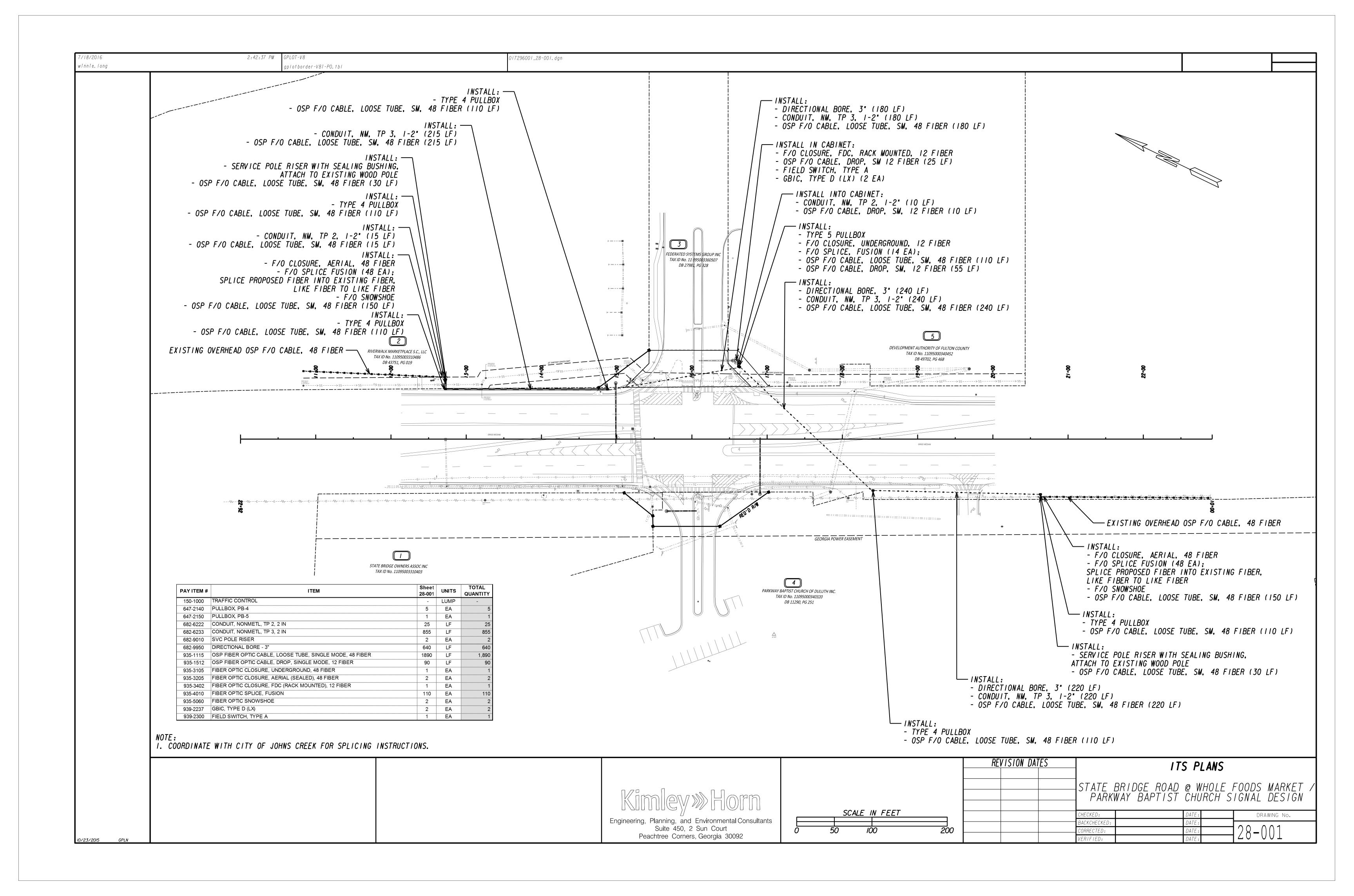


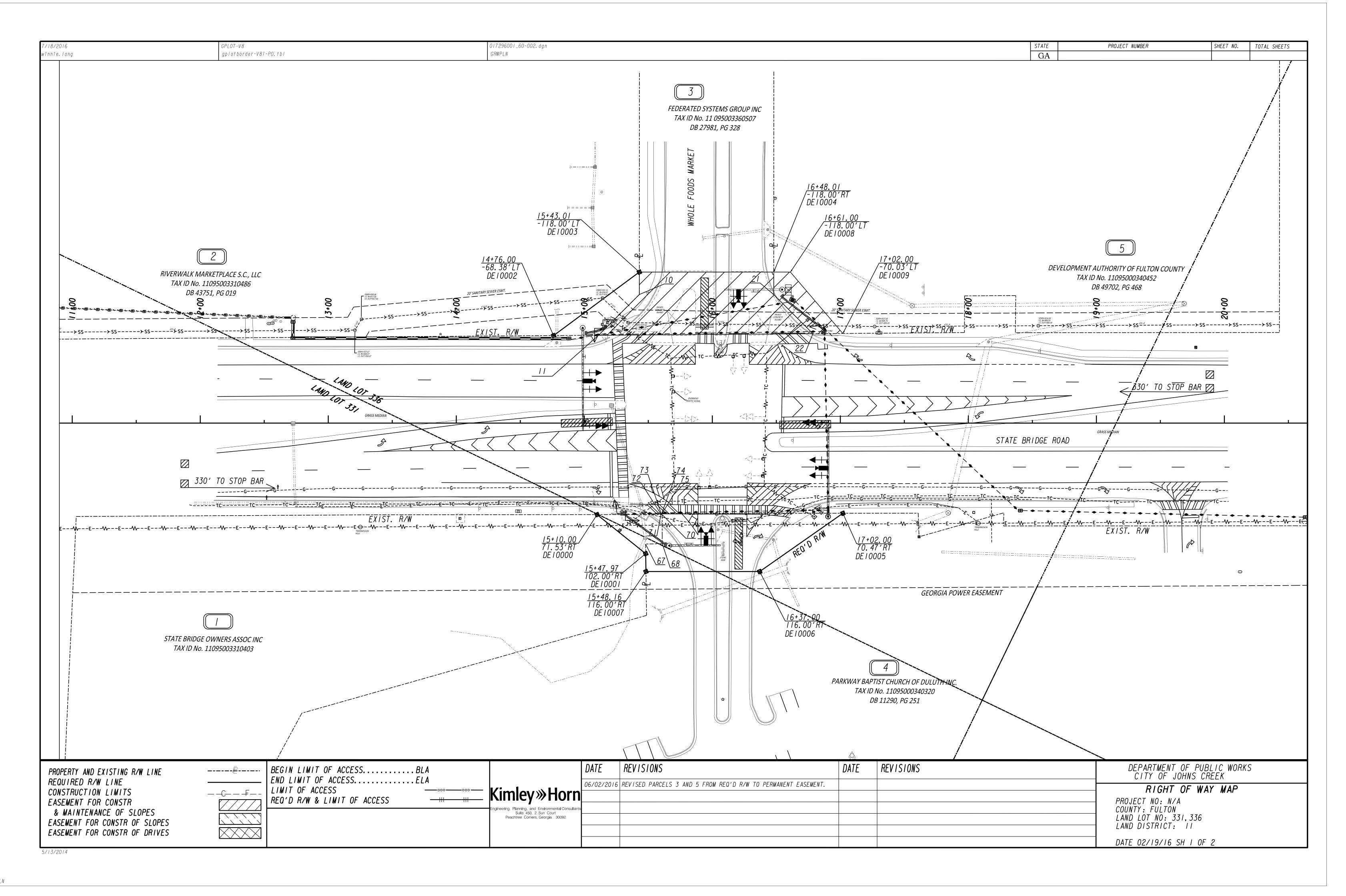
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NOTE:

I. CONTRACTOR TO COORDINATE WITH HYBRID CABINET VENDOR TO DETERMINE DETECTION INPUT ASSIGNMENTS

	REVISION DATES	SIGNAL PLANS STATE BRIDGE ROAD @ WHOLE FOODS MARKET / PARKWAY BAPTIST CHURCH SIGNAL DESIGN				
Kimley»Horn						
Engineering, Planning, and Environmental Consultants		CHECKED:	DATE:	DRAWING No.		
Suite 450, 2 Sun Court		BACKCHECKED:	DATE:			
Peachtree Corners, Georgia 30092		CORRECTED:	DATE:	127-002		
1 Cachilles Comors, acorgia 30032		VERIFIED:	DATE:	741 004		





7/18/2016	GPLOT-V8	017296001_60-003.dgn					STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
7/18/29/16 biasis, long	GPLOT-V8 gplatborder-V81-P0.tbl	POTCEL REO'D R/W DEIDI PNT OFFSET/ STATION/ BEARING DE10000 71.53 R 15·10.00 STATE BRIDGE 49.87 5 25:50:52.6° E 71 71.48 R 15·59.87 STATE BRIDGE 70 71.55 R 15·60.87 STATE BRIDGE 82.74 \$ 64:07·40.1° W 68 94.29 R 15·60.90 STATE BRIDGE 67 94.54 R 15·47.97 STATE BRIDGE BE10001 102.00 R 15·47.97 STATE BRIDGE REDD R/W * 874.68 SF 15·10.00 STATE BRIDGE REDD R/W * 874.68 SF 15·10.00 STATE BRIDGE REDD R/W * 0.020 ACRES REMAINDER * */- 1.86 ACRES PARCEL 2 REO'D R/W DEIO2 PNT OFFSET/ STATION/ BEARING DE10002 68.38 L 14·76.00 STATE BRIDGE RE BE10003 18.00 L 15·43.01 STATE BRIDGE RE 0 100.49 L 15·43.01 STATE BRIDGE RE 0 100.49 L 15·43.00 STATE BRIDGE RE 0 100.49 L 15·43.00 STATE BRIDGE RE REDD R/W * 0.020 ACRES REMAINDER * */- 1.86 ACRES PARCEL 2 REO'D R/W DEIO2 PNT OFFSET/ STATION/ BEARING DE10002 68.38 L 14·76.00 STATE BRIDGE RE 0 100.49 L 15·43.00 STATE BRIDGE RE 0 100.00	ROAD ROAD ROAD ROAD ROAD ROAD ROAD ROAD	PAT OFFSE 71 71. 72 71. 73 70. 74 70. 75 70. 14 DE10005 70.41 DE10007 116.00 DE10001 102.00 67 94. 68 94. 70 71. 71 71. REOD R/W 52 READ R/W 0. REMAINDER + +/- PATCEL 5 PNT OFFSE 22 69 21 100 DE10004 118.0 DE10008 118.0 DE10008 118.0 DE10008 118.0	EQ'D R/W T DIST	STATION/ BEARING 15+59.87 STATE BRIDGE ROAD N 76'30'39.7' E 15+59.94 STATE BRIDGE ROAD S 65'13'53.8' E 15+60.40 STATE BRIDGE ROAD N 42'42'24.0' E 15+60.77 STATE BRIDGE ROAD N 60'48'29.8' W 16+37.00 STATE BRIDGE ROAD N 25'47'53.9' W 15+48.16 STATE BRIDGE ROAD N 63'25'32.1' E 15+47.97 STATE BRIDGE ROAD N 63'25'23.0' E 15+47.87 STATE BRIDGE ROAD N 64'07'40.1' E 15+60.87 STATE BRIDGE ROAD N 64'07'40.1' E 15+60.87 STATE BRIDGE ROAD N 64'07'40.1' E 15+59.87 STATE BRIDGE ROAD N 64'07'40.1' E 15+59.87 STATE BRIDGE ROAD N 64'07'40.1' E 15+60.87 STATE BRIDGE ROAD N 64'13'35.4' E 16+61.00 STATE BRIDGE ROAD S 23'41'02.4' W 17+02.00 STATE BRIDGE ROAD N 26'13'00.5' W 16+78.56 STATE BRIDGE ROAD S 23'41'02.4' W 17+02.00 STATE BRIDGE ROAD S 23'41'02.4' W 17+02.00 STATE BRIDGE ROAD S 23'41'02.4' W 17+02.00 STATE BRIDGE ROAD S STATE BRIDGE ROAD	GA 0 0 0 0 0 0 0 0 0	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		MIT OF ACCESSBLA T OF ACCESSELA ACCESS W & LIMIT OF ACCESS HIII III Engineering, Planning, and Environmental Consus Suite 450, 2 Sun Court Peachtree Corners, Georgia 30092	n	REVISIONS 6 REVISED PARCELS 3 AND 5 FROM REQ'D R/W TO PERMANENT EASEMENT.	DATE	REVISIONS		DEPARTMENT OF CITY OF JOHN RIGHT OF PROJECT NO: N/A COUNTY: FULTON LAND LOT NO: 331, LAND DISTRICT: I DATE 02/19/16 SH	S CREEK WAY MAP 336	